

Reteaching 1-2 The Order of Operations

Simplify $\frac{18+4}{2} - 3(10 \cdot 2 - 3 \cdot 6)$

$$\frac{18+4}{2} - 3(10 \cdot 2 - 3 \cdot 6)$$

$$= \frac{22}{2} - 3(10 \cdot 2 - 3 \cdot 6)$$

$$= 11 - 3(10 \cdot 2 - 3 \cdot 6)$$

$$= 11 - 3(20 - 18)$$

$$= 11 - 3(2)$$

$$= 11 - 6$$

$$= 5$$

Work inside grouping symbols first.

A fraction bar is a grouping symbol.

Divide the fraction.

Multiply within the parentheses.

Subtract within the parentheses.

Multiply.

Subtract.

Simplify each expression.

1. $8 + 2 \times 7$

2. $16 \div 2 - 5$

3. $\frac{8+12}{5}$

4. $4 - 24 \div 8$

5. $3 + 2 \cdot 5 - 4$

6. $15 - 2(5 - 2)$

7. $9 \cdot 3 + 2 \cdot 5$

8. $12 \div 4 - 6 \div 3$

9. $5(2 + 4) + 15 \div (9 - 6)$

10. $3 \cdot 2 + 16 \div 4 - 3$

11. $(18 + 7) \div (3 + 2)$

12. $3[8 - 3 \cdot 2 + 4(5 - 2)]$

13. $4 \cdot 9 + 8 \div 2 - 6 \cdot 5$

14. $[7 + 3 \cdot 2 + 8] \div 7$

15. $53 - [3(8 + 2) + 5(9 - 5)]$

16. $(20 + 22) \div 6 + 1$

17. $2[9(6 - 5)]$

18. $5 + 3 \cdot 4 - 8 + 2 \cdot 7$
